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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/010,279

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Santanu Dutta

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07/18/2006

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EXAMINER

TRAN, PHILIP B

ART UNIT

PAPER NUMBER

2155

DATE MAILED: 07/18/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/010,279	<b>Applicant(s)</b> DUTTA ET AL.	
	<b>Examiner</b> Philip B. Tran	<b>Art Unit</b> 2155	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 04 May 2006.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-42 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-42 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

***Notice to Applicant***

1. Claims 1, 7, 17, 18, 27, 33, 36-38 have been amended. Therefore, claims 1-42 remain pending and are presented for further examination.

***Claim Rejections - 35 U.S.C. § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-42 are rejected under 35 U.S.C. § 102(e) as being anticipated by Ito, U.S. Pat. Application No. US 2002/0116285 A1.

Regarding claim 1, Ito teaches a method of providing authentication for a network-based transaction, the method comprising presenting a first information set to a user through an Internet access device, the first information set being associated with the transaction, creating a coupling between the first information set and a second information set, wherein the second information set is also associated with the transaction, presenting the second information set to the user and requesting authorization of the transaction at a mobile terminal using public land mobile network (PLMN) radio resources, and receiving authorization information for the transaction from

the mobile terminal using the PLMN radio resources wherein said Internet access device and said mobile terminal being two separate devices and said first communication network and said PLMN being two separate networks (= performing a purchasing transaction utilizes a mobile station to make a purchase through a mobile network PLMN that has a network accounting server which bills network subscriber charges to the subscriber wherein authorization including the invoice and receipt information are digitally signed for authentication purposes) [see Abstract, Figs. 1 & 3-6, and Paragraphs [0034-0045]].

Regarding claim 2, Ito further teaches the method of claim 1 wherein creating the coupling further comprises sending a wireless application protocol (WAP) push message to the mobile terminal [see Paragraphs [0002] and [0026-0029]].

Regarding claims 3-4, Ito further teaches the authorization information comprises client-side public key infrastructure (PKI) information [see Paragraphs [0038] and [0040-0043]].

Regarding claims 5-6; Ito further teaches the method of claim 1 wherein the authorization information comprises a password and a caller line identification (caller ID) for the mobile terminal [see Paragraphs [00500053]].

Claim 7 is rejected under the same rationale set forth above to claim 1.

Claim 8 is rejected under the same rationale set forth above to claim 2.

Regarding claim 9, Ito further teaches the method of claim 8 wherein the WAP push message comprises a hyperlink to the second information set [see Paragraph [0042]].

Regarding claim 10, Ito further teaches the method of claim 9 wherein the first information set is formatted in hypertext markup language (HTML) and the second information set is formatted in wireless markup language (WML) [see Paragraph [0002]].

Regarding claim 11, Ito further teaches the method of claim 10 wherein the second information set is further formatted to be signed by a user using a WAP signText script [see Paragraphs [0033] and [00380041]].

Regarding claims 12-15, Ito further teaches the authentication information comprises client-side public key infrastructure (PKI) information [see Paragraphs [0038] and [0040-0043]].

Claims 16-18 are rejected under the same rationale set forth above to claim 1.

Claim 19 is rejected under the same rationale set forth above to claim 2.

Claims 20-22 are rejected under the same rationale set forth above to claims 9-11, respectively.

Claims 23-26 are rejected under the same rationale set forth above to claims 12-15.

Claim 27 is rejected under the same rationale set forth above to claim 7.

Claims 28-29 are rejected under the same rationale set forth above to claims 8-9, respectively.

Claims 30-32 are rejected under the same rationale set forth above to claims 12-15.

Claim 33 is rejected under the same rationale set forth above to claim 27.

Regarding claim 34, Ito further teaches the system of claim 33 wherein the WML server and the HTML server operate on a single computing platform [see Paragraph [0002]].

Regarding claim 35, Ito further teaches the system of claim 33 wherein the network connection is an Internet connection [see Fig. 1].

Regarding claims 36-38, Ito further teaches the coupling is created at least in part by sending a wireless application protocol (WAP) push message to the mobile terminal [see Paragraphs [0002] and [0026-0029]].

Regarding claims 39-42, Ito further teaches the authentication information comprises client-side public key infrastructure (PKI) information [see Paragraphs [0038] and [0040-0043]].

### ***Response to Arguments***

4. Applicant's arguments have been fully considered but they are not persuasive because of the following reasons:

Ito teaches performing a purchasing transaction utilizes a mobile station to make a purchase through a mobile network PLMN that has a network accounting server which bills network subscriber charges to the subscriber wherein authorization including the invoice and receipt information are digitally signed for authentication purposes [see Abstract, Figs. 1 & 3-6, and Paragraphs [0034-0045]].

Applicant argued that "Internet access device and mobile terminal being two separate devices and first communication network and PLMN being two separate networks". In response to this argument, the examiner contends that Ito still teaches this limitation because Ito discloses a subscriber using a mobile terminal (1) and a network operator using Internet access device for processing purchasing transaction wherein there are two different PLMN (3,3') connected through the Internet (6) [see Figs. 1, 3, 7-8 & 11-12 and Paragraphs [0007 & 0041 & 0046 & 0053 & 0059]].

In view of the foregoing, the examiner asserts that the cited reference Ito does teach or suggest the subject matter recited in independent claim. Dependent claims are therefore rejected at least by virtue of their dependency on independent claim and by

other reasons set forth above. Accordingly, the examiner respectfully maintains the rejections for claims 1-42 as shown above.

***Other References Cited***

5. The following references cited by the examiner but not relied upon are considered pertinent to applicant's disclosure.

- A) l'Anson et al, U.S. Pat. No. 7,069,238.
- B) Aho et al, U.S. Pat. Application Pub. No. 2001/0039589 A1.
- C) Squibbs, U.S. Pat. Application Pub. No. 2002/0004404 A1.
- D) Khayatan et al, U.S. Pat. Application Pub. No. 2002/0141560 A1.

6. A SHORTENED STATUTORY PERIOD FOR RESPONSE TO THIS ACTION IS SET TO EXPIRE THREE MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION. FAILURE TO RESPOND WITHIN THE PERIOD FOR RESPONSE WILL CAUSE THE APPLICATION TO BECOME ABANDONED (35 U.S.C. § 133). EXTENSIONS OF TIME MAY BE OBTAINED UNDER THE PROVISIONS OF 37 CAR 1.136(A).



7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Philip Tran whose telephone number is (571) 272-3991. The Group fax phone number is (571) 273-8300. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar, can be reached on (571) 272-4006.

8. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Philip B. Tran  
Primary Examiner  
Art Unit 2155  
July 06, 2006